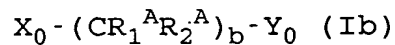


FLUORINATED OLIGOURETHANES

ABSTRACT

Fluorinated oligourethanes, having number average molecular weight lower than or equal to 9,000, having a branched structure, formed of the following monomers and macromers:

- a) aliphatic, cycloaliphatic or aromatic polyisocyanates,
- b) heterofunctional hydrogenated monomers having general formula:



one or more of the following compounds:

- c) bifunctional hydroxyl (per)fluoropolyethers (PFPE diols) having number average molecular weight in the range 400-3,000,
- e) monofunctional hydroxyl (per)fluoropolyethers or monofunctional hydroxyl (per)fluoroalkanes (e'), having number average molecular weight in the range 300-1,000,

and optionally the following compounds:

- d) heterofunctional monomers,
- d^I) hydrogen-active compounds, capable to form bonds with the NCO functions stable at the hydrolysis but weak at heat.